

Features

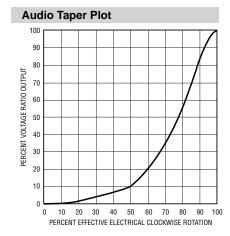
- Plain or knurled shaft option
- 10 % TR tolerance
- Conductive polymer element
- Very low noise
- Single-turn
- 250K and 500K resistances



Model 82 Vintage Premium Guitar Potentiometer

Initial Electrical Characteristics ¹	
Standard Resistance Value	250K and 500K ohms
Total Resistance Tolerance	
Independent Linearity	±5 %
Absolute Minimum Resistance	
Effective Electrical Angle	
Contact Resistance Variation	±1 %
Dielectric Withstanding Voltage (MIL-STD-202, Method 301)	4.700.14.0
Sea Level	
70,000 Feet	
Insulation Resistance (500 VDC)	1,000 megonms minimum
+70 °C	0.25 watt
+70 C	0.25 Wall
Theoretical Resolution	
Theoretical Nesolution	
Environmental Characteristics ¹	
Operating Temperature Range	-40 °C to +125 °C
Storage Temperature Range	
Temperature Coefficient Over Storage Temperature Range	
Vibration	
Total Resistance Shift	
Voltage Ratio Shift	±5 % maximum
Shock	30 G
Total Resistance Shift	±2 % maximum
Voltage Ratio Shift	
Load Life	
Total Resistance Shift	
Rotational Life (No Load)	
Total Resistance Shift	
Contact Resistance Variation @ 50,000 cycles	±3 %
Moisture Resistance (MIL-STD-202, Method 103, Condition B)	20 N/ TD2
Total Resistance Shift	±20 % TRS maximum
Insulation Resistance (500 VDC)	
ir Kallily	IF 40
Mechanical Characteristics ¹	
Mechanical Angle	300 ° +5 °
Rotational Torque	
Weight	
Terminals	
Soldering Condition	
Maximum temperature 399 °C (750 °F) for 3 seconds.	No wash process to be used with no clean flux.
Marking	te code, resistance, manufacturer's part number
Hardware One lockwasher, one flat washer, two mounting nuts and one solder I	ug washer are shipped with each potentiometer
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1 AT ROOM AMBIENT: +25 °C NOMINAL AND 50 % RELATIVE HUMIDITY NOMINAL, EXCEPT AS NOTED.



Selection Guide

Part Number	Taper/Shaft	Resistance Value (Ω)
82A1D-A24-BA0/186L	Audio/Plain	500K
82A1D-A24-BA0/187L	Audio/Plain	250K
82A1D-Z28-BA0/254L	Audio/Knurled	500K
82A1D-Z28-BA0/255L	Audio/Knurled	250K
82Z1D-Z33-BA0/753L	Audio/Knurled (Long Bushing)	250K
82Z1D-Z33-BA0/754L	Audio/Knurled (Long Bushing)	500K

Schematic





WARNING **Cancer and Reproductive Harm** www.P65Warnings.ca.gov

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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^{*}RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Additional Features

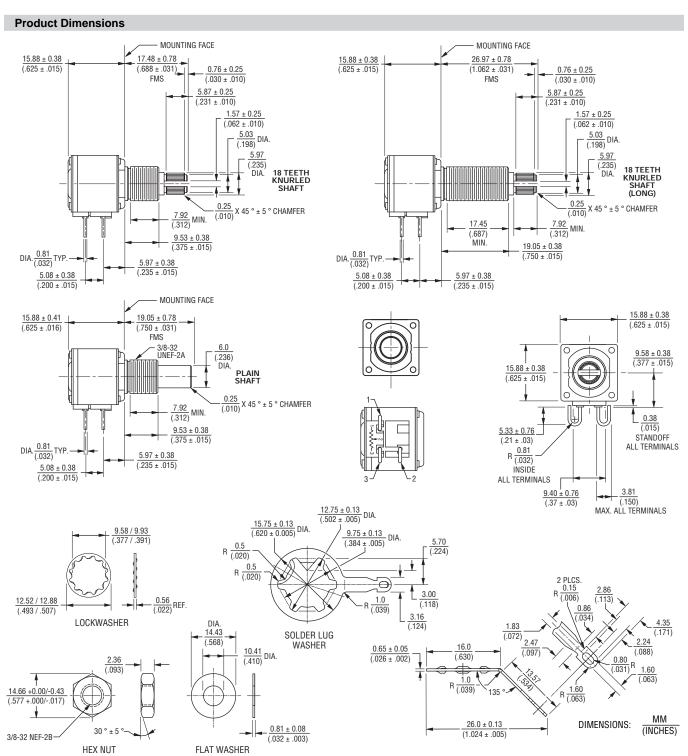
- Standard audio taper
- Long rotational life
- RoHS compliant*

Applications

- Electric guitars
- Bass guitars

Model 82 Vintage Premium Guitar Potentiometer

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REV 10/19

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